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PURPOSE: To prevent decrease of concentration of hydrogen peroxide solution mixture of sulfuric acid and the hydrogen peroxide solution. and to enable resist to be removed stably, by dissolving ozon gas in a heated

CONSTITUTION: Liquid mixture 2 consisting of concentrated sulfuric acid and gas 4 is fed into the liquid from a bubbler 5. Bubbles of the ozon gas produced vessel 1 and heated by a heater 3 to a temperature of 100~130°C. Then, ozon hydrogen peroxide in proportions of about 4:1 is introduced into a chemical sulfuric acid and hydrogen peroxide, and a part of the ozon gas is dissolved thereby are contacted with the heated liquid mixture 2 of the concentrated capability of removing the resist can be prevented effectively. acid and concentrated nitric acid. According to this method, deterioration of removing solution may be substituted by a mixture of concentrated sulfuric about 15 minutes, whereby the resist is removed from the wafer. The resist in the solution. A wafer having resist thereon is dipped in the solution for

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(54) MANUFACTURE OF SEMICONDUCTOR DEVICE

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